GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

AHDD&F Department – Bovine Breeding Services – Guidelines for effective delivery of Breeding services – Specific roles and responsibilities of different players in A.I. activity – Orders - Issued.

ANIMAL HUSBANDRY, DAIRY DEVELOPMENT AND FISHERIES (AH.II) DEPARTMENT.

G.O.RT.No. 144 Dated: 24-06-2019
Read the following:

From the Director of Animal Husbandry, A.P., Vijayawada,
Lr.No.10042/AD(T)/2016, Dated: 15-05-2019.

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ORDER:

The Director of Animal Husbandry, in his letter read above has informed that the breeding services is one of the prerequisites to get better conception rates to help increase the productivity in bovines. Fool proof mechanism required to be put in place to monitor various breeding activities such as coverage of breedable bovine population with A.I., Pregnancy verifications, verification of calves produced through A.I., etc., to evaluate the programme. Provision to extend required facilities to the departmental officers to monitor the activity effectively is the need of the hour. The performance of the inseminators working for implementation of A.I activity need to be monitored effectively to get better results in breeding programme. Further, specific roles and responsibilities of different players in A.I activity need to be defined clearly to give role clarity. To address all these issues, comprehensive guidelines are required to be issued. Accordingly, he has furnished proposals covering comprehensive guidelines for effective delivery of Bovine Breeding Services together with specific roles and responsibilities of different players engaged in the A.I activity in the State.

2. Government after careful examination of the proposal hereby issue comprehensive guidelines for effective delivery of Bovine Breeding Services with specific roles and responsibilities of different players engaged in A.I., activity in the State as per the details mentioned in the Annexure appended to this order.

3. The Director of Animal Husbandry, Andhra Pradesh, Vijayawada shall take further necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

POONAM MALAKONDAIAH
SPECIAL CHIEF SECRETARY TO GOVERNMENT

To
The Director of Animal Husbandry, Andhra Pradesh, Vijayawada,
Copy to:
The Chief Executive Officer, Andhra Pradesh Livestock Development Agency, Guntur.
SF/SC.

//FORWARDED BY::ORDER//

SECTION OFFICER

ANNEXURE

(G.O.Rt.No. AH,DD&F (AH.II) Department, Dated24-06.2019)

Comprehensive guidelines for implementation of Bovine Breeding Services in the State:

Roles of Deputy Director I/c of Veterinary Poly Clinic (VPC) :-

1. Shall Cover 100% Breedable Bovine population with A.I. in the jurisdiction.
2. The particulars of A.I done shall be entered in the software application provided by the Department.
3. Shall perform 100% Pregnancy verification of animals inseminated through A.I.
4. Advise the farmers of those animals which are confirmed pregnant to feed their animals making use of Ration Balancing software provided by the Department.
5. Repeat breeders shall be covered under “Suphalam” activity.
6. Record 100% of the improved progeny born out of A.I. with the help of software developed for monitoring A.I. Programme.
7. Ensure De-worming of all A.I. calves born up to the age of 6 months at 3 weeks interval and take up prompt vaccination against endemic diseases.
8. Maintain A.I. containers with optimum levels of Liquid Nitrogen.
9. The liquid nitrogen levels before and after filling the LN container shall be recorded in the software each time.
10. Should follow standard operating procedure while doing A.I.
11. Remit A.I. fee collected from the farmers and reconcile remittances once in a month.
12. Update the information about the calves born with superior germ plasma in e-Pashuhaat that can help the farmers to avail better marketing avenues for the calves with High Genetic Merit (HGM).

Roles of Deputy Director I/c of Division:-

1. Verify 1% of the A.I. calves recorded in A.I. Centres other than those verified by the other inspecting officers in the division.
2. Shall check the LN levels in the A.I containers maintained in the division during visits to the A.I. centres.
3. Ensure prompt remittance of A.I. fee collected at A.I. Centres in the division.
4. He shall be responsible for implementation of the entire breed improvement activity in the jurisdiction including online data entry etc.,

Roles of Assistant Director (AH) I/c of Area Veterinary Hospital:-

1. Shall Cover 100% Breedable Bovine population with A.I. in the jurisdiction.
2. The particulars of A.I done shall be entered in the software application provided by the Department.
3. Shall perform 100% Pregnancy verification of animals inseminated through A.I.
4. Advise the farmers of those animals which are confirmed pregnant to feed their animals making use of Ration Balancing software provided by the Department.
5. Repeat breeders shall be covered under “Suphalam” activity.
6. Record 100% of the improved progeny born out of A.I. with the help of software developed for monitoring A.I. Programme.
7. Ensure De-worming of all A.I. calves born up to the age of 6 months at 3 weeks interval and take up prompt vaccination against endemic diseases.
8. Educate the farmers in use of software on Ration balancing programme.
9. Maintain A.I. containers with optimum levels of Liquid Nitrogen.
10. The Liquid Nitrogen levels before and after filling the LN containers shall be recorded in the software each time.
11. Should follow standard operating procedure while doing A.I.
12. Remit A.I. fee collected from the farmers and reconcile remittances once in a month.

(Contd.,2)

13. Update the information about the calves born with superior germ plasma in e-Pashuhaat that can help the farmers to avail better marketing avenues for the calves with High Genetic Merit (HGM).
14. He shall be responsible for implementation of the entire breed improvement activity in the jurisdiction including online data entry etc.,
15. Verify 1% of the calves born through AI in the jurisdiction including RLU and VD.

Roles of Executive Officer, DLDA:-

1. Be accountable to the Joint Director I/c District Administration concerned.
2. Monitor breeding vertical in the district
3. Undertake prompt supply of breeding inputs like LN, frozen semen, A.I. equipment to all A.I. institutions in the district.
4. Ensure rotation of bulls in the supply of semen to all A.I. Centres to avoid inbreeding as per the provisions of breeding policy.
5. Reconcile the A.I. fee remittances and initiate disciplinary action against the defaulters as per the rules in vogue.
6. Verify 1% of the A.I. calves born in the district for their breed characters.
7. Organise fertility (Suphalam) camps in all A.I. centres with the assistance of experts.
8. Identify genetic abnormalities in the calves born to any of the bulls used in the breeding programme and report to the FSBS concerned, Joint Director concerned and APLDA promptly
9. Identify the poor performers in various categories of institutions & Gopala Mithras and ensure giving them regular training in A.I. technique.
10. Shall assess the bull wise field performance annually and report to APLDA & DAH.
11. Shall monitor LN level in A.I. containers from time to time and shall replace the damaged containers as per necessity.
12. Check the quality of semen during visits to A.I. Centres and to take necessary action to replace the semen immediately as per necessity.
13. Undertake prompt distribution of inputs, Honorarium, incentive to Gopalamithras as per procedure prescribed by the Government.
14. He shall be responsible for implementation of breeding policy in the jurisdiction.

Roles of Cattle Breeding Officer :-

1. Verify 5% of the A.I. calves produced by Gopalamithras
2. Check LN levels in the A.I. containers during their periodical field visits.
3. Facilitate organisation of fertility (Suphalam) camps in the villages serviced by Gopalamithras in consultation with the Department Officers
4. Identify genetic abnormalities in the calves born to any of the bulls used in the breeding programme and report such instances to the APLDA.
5. Ensure prompt remittances of A.I.fee.

Roles of Veterinary Assistant Surgeon I/c of Veterinary Dispensary (VD) :

1. Cover 100% of the breedable bovine population through A.I. in the jurisdiction.
2. The particulars of A.I. done shall be entered animal wise in the software application real time.
3. Pregnancy verification of 100% of the animals inseminated at V.D. shall be undertaken and advise the farmers of those animals which are confirmed pregnant to feed the animals accordingly by making use of Ration balancing software
4. Shall record 100% of the improved progeny born through A.I. done at Veterinary Dispensary with the help of software application developed for monitoring A.I. programme.
5. Shall maintain LN levels in the A.I. Container maintained at Veterinary Dispensary. LN levels shall be recorded before and after each filling at the A.I. Centre directly serviced by the VD and also check the LN levels at other A.I. Centres in the jurisdiction of VD during visits to sub Centres at least once in a month.

(Contd.,3)

6. Organise fertility (Suphalam) camps in the villages serviced by Gopalamithra centres and RLUs.
7. Verify 1% of the calves born through A.I. in the villages serviced by Gopalamithra Centres (GMC) and Rural Livestock Units (RLUs) in the jurisdiction of VD.
8. Ensure prompt remittance of A.I. fee by the Gopala Mithra Centers and RLUs in the jurisdiction of Veterinary Dispensary including the A.I. fee collected at Veterinary Dispensary.
9. Identify calf abnormalities if any for the bulls used in the jurisdiction and report the facts to E.O., DLDA, Asst. Director, Deputy Director, Joint Director concerned.
10. Shall follow up the repeat breeders closely and implement appropriate schemes to ensure that all eligible animals conceive in the villages under the direct jurisdiction of Veterinary Dispensary, RLUs and Gopalamithra Centres also.
11. The VAS shall monitor all activities of the Gopalamithras functioning in the jurisdiction.
12. Shall follow standard operating procedures while doing A.I.

Roles of Para-Vet, I/c of Rural Livestock Units (RLUs):-

1. Cover 100% of the breedable bovine population with A.I. in the jurisdiction.
2. The particulars of A.I. done in the village shall be entered in the software application real time.
3. Undertake 100% Pregnancy verification of the animals inseminated.
4. Advise the farmers of those which are confirmed pregnant to feed their animals using the Ration balancing software.
5. Repeat breeders shall be followed up closely beyond 3rd insemination which shall be arranged for examination against infertility by the experts in Suphalam Camps.
6. Shall record 100% of the improved progeny born through A.I. done at Rural Livestock Unit with the help of software application developed for monitoring A.I. programme.
7. Shall deworm all A.I. calves born up to the age of 6 months at 3 weeks interval and ensure prompt vaccination against endemic diseases.
8. Advocate balanced ration feeding by use of software on ration balancing programme.
9. Shall maintain A.I. containers with optimum levels of Liquid Nitrogen. Measure the LN level before & after filling and record such readings for every filling in the software app.
10. Shall follow standard operating procedure while doing A.I.
11. Remit A.I. fee real time and reconcile remittances once in a month with concerned Veterinary Dispensary.
12. Updation of information about the superior quality calves born in e-Pashuhaat that can help the farmers to avail better marketing avenues for the calves with HGM.
13. Organise prompt milk recording.

Roles of Gopalamithra Supervisor :-

1. Shall monitor all activities of Gopalamitras in the jurisdiction.
2. Assist in organization of Fertility (Suphalam) Camps, in the Jurisdiction of Area V.H.
3. Ensure prompt remittance of A.I. fee by the Gopalmithras and reconcile A.I. straw account and remittances.
4. Verify 20% of the animals inseminated for Pregnancy Diagnosis (P.D) and 100% of calf births in the jurisdiction.
5. Monitor the performance of Gopalamithras in terms of coverage of uncovered area.

Roles of Gopalamithra:-

Primary functions:-

1. Gopalamithra is a private A.I. technician working for self-employment whose work will be incentivised based on performance.

(Contd.,4)

2. Cover 100% of the breedable bovine population at the doorstep of farmers for A.I. activity in the villages attached.
3. The particulars of A.I. done by Gopalamithras shall be entered in the software application provided by the department.
4. Shall follow standard operating procedures (SOP) while doing A.I.
5. Undertake 100% Pregnancy verification of the animals inseminated.
6. Advise the farmers of those which are confirmed pregnant to feed their animals by making use of Ration balancing software.
7. Get the repeat breeders examined by the VAS concerned and follow up the animals for treatment on the advice of the VAS concerned.
8. All repeat breeders shall be covered under suphalam programme.
9. Record all calves born out of A.I. in the software application developed for monitoring A.I. programme.
10. Shall maintain A.I. containers with optimum levels of Liquid Nitrogen. Measure the LN levels before and after filling and record all such readings after every filling in the software app.
11. Update the information about the superior quality calves in e-pashuhaat that can help the farmers to avail better marketing avenues for the calves with HGM
12. Remit A.I. fee real time and reconcile remittances once in a month.

Subsidiary functions

1. Shall deworm all A.I. calves born as per the protocol developed by AH department and ensure prompt vaccination against endemic diseases.
2. Identification of superior genetic calves including male calves.
3. Management and follow up of calves up to 6 months age for periodical deworming, vaccinations, better feeding with ration balancing programme.
4. Conduct preventive vaccinations & deworming as per the schedule prescribed by A.H. Department in all the villages attached to Gopalamithras.
5. Conduct surveys entrusted by the department from time to time.
6. Organise prompt milk recording.
7. Undertake fodder development activity.
8. Act as input supplier in the village.

A.I. Fee:-

The existing fee structure shall continue to be in force until it is revised i.e., Rs.70/- per AI for the doorstep insemination and Rs.40/- per A.I. for stationary A.I. Out of the A.I. fee collected in both the situations, Rs.40/- per dose shall be remitted to APLDA and the remaining Rs.30/- in case of door step A.I. can be retained by the inseminator. 20% of the AI fee remitted to APLDA in respect of A.I. done in the State (both by departmental institutions and Gopalamithra centres) shall be transferred to the bank account of the Director of Animal Husbandry by APLDA, once in a quarter towards logistics for monitoring of breeding operations.

The Director of Animal Husbandry shall use this money to provide facilities to the departmental officers for effective monitoring of breeding operations in the State. In return, the Director of Animal Husbandry shall meet various categories of expenditure incurred every year by APLDA for maintenance of Livestock farms and Bull stations, Semen production etc. at least 130% equivalent expenditure than what APLDA transfers to Animal Husbandry Department from A.I. fee collected every year. (Illustrative list enclosed as annexure)

<u>Incentives to Gopalamithras for the work done under A.I.activity:</u>

Cash incentive shall be paid to Gopalamitras for A.I. done and calves born based on the performance assessed through online software application on par with the guidelines prescribed under Krishi Kalyan Abhiyan.

(Contd.,5)

Other incentives to Gopalamithras:-

As per the provisions of G.O.Rt.No.226, Dated.12.09.2016 and G.O.Rt.No.37, Dated.19.02.2018 performance based incentives are payable to Gopalamitras for various other activities under taken for the department including Ration balancing Programme, vaccination, Supalam, exchange of Breeding Rams, fodder development etc. Which will continued to be paid to Gopalamitras.

Fertility Management:-

All Veterinarians in the State shall adopt one village for Herd Fertility Management every year and update the village wise information in Suphalam software developed for the purpose.

No two organisations (APLDA / Directorate) shall organise fertility camps. The VAS shall organise fertility (Suphalam) camps in his jurisdiction. The Directorate shall co-ordinate to organise fertility (Suphalam) camps in the State.

Disincentives:-

The A.I.fee collected by all field functionaries shall be remitted to APLDA every month promptly.

Any delay in payment of A.I. fee to the concerned shall be viewed seriously. The Gopalamithra concerned shall not be supplied further consignment of semen & other inputs in the event of default of prompt remittances.

In case of delay in payment of A.I. fee by the departmental staff, the concerned drawing officer / controlling Officer shall recover the dues from the concerned with interest rate of 24% besides initiation of disciplinary action.

If the drawing officer himself is defaulter, the controlling officer concerned shall withdraw the drawing powers of defaulting officer and recover the dues with interest rate of 24% besides initiation of disciplinary action against the defaulter.

Removal of Gopalamithras:-

Usage of two semen straws at a time shall be considered as unethical practice. Non coverage of uncovered area, more number of Gynaecological cases from the area will be considered as poor performance of the A.I. technician and these poor performers shall be initially given intensive training and even after imparting training, if the performance is not improved, the Private inseminator shall be terminated. Disincentives in the form of stoppage of increments without cumulative effect shall be awarded to the Government employees.

Training & Capacity building:-

The technicians with poor skill in A.I. technique shall be identified by the department and shall organise skill development trainings to the technicians every year to improve their performance. At least 5% of the technicians shall be given refresher training to improve their capacities every year.

Incentives to the Departmental officers :-

The best performers in various cadres shall be identified district wise every year in each category based on the criteria prescribed below. Medals and meritorious certificates shall be given to the A.I. technicians and supervisors in all districts every year to maintain competitive spirit among the technicians.

% of coverage of breedable bovine population.
% of conception rate.
% of calving rate.

The department shall issue operational guidelines in this regard.

(Contd.,6)

Monitoring of A.I. activity:-

To monitor A.I. activity online, a suitable software application shall be developed immediately by Animal Husbandry Department, to assess the performance of A.I. technicians and to improve the quality of A.I. services. GPS for thawing units shall also be introduced in phased manner.

Others issues:-

• All Gopalamithras shall continue to work under the supervision of concerned VAS. The incentives payable from APLDA and Animal Husbandry Department shall be paid to Gopala Mithras only after obtaining Certification from the VAS concerned.
• The incentives and medicines meant to Gopalamithras shall be channelized through VAS concerned for effective supervision and to exercise control over such functionaries and also to check unauthorised use of scheduled drugs.
• The VAS should own responsibility to achieve the targets fixed to the Gopalamithras also through periodical monitoring and capacity building of the Gopalamithras.
• The A.I. technicians should update the data connected to breedable population every year, animal wise & farmer wise using the online software application.
• Performing A.I. even when the animal is not in oestrum, utilising two frozen semen doses (straws) at a time are treated as unethical practices which are banned and action shall be initiated on all such technicians.
• The services of Gopalamithras shall continue to be utilised by Animal Husbandry Department in all campaigns, surveys, preventive health care and extension activities in the villages attached to the service providers under ordinary circumstances and in the villages other than the villages attached to them under special circumstances on payment of performance based incentives.
• The particulars of breed, bull number, pedigree particulars of bulls shall also be made available at all A.I. centres for information of the farmers.

POONAM MALAKONDAIAH
SPECIAL CHIEF SECRETARY TO GOVERNMENT